IN THE CLAIMS

Listing of claims:

Claim 1 (Currently Amended): A method on an information processing unit <u>for</u> performing steps for assembling, with a user interface (UI), a document that conforms to a particular document type definition, the method comprising:

receiving a user selection for a document type;

selecting one of a plurality of document type definition types based upon the document type received;

parsing one or more of a plurality of elements in the document type definition type selected;

mapping <u>each of the plurality of elements</u> to one or more interface controls ~~each of the plurality of elements~~;

presenting a UI editor by assembling the one or more interface controls <u>so that the presentation of the UI editor is free from</u> ~~without presenting~~ specific document type definition syntax ~~to a user~~;

receiving a user input for ~~zero or more~~ content objects that are associated with the interface controls; and

aggregating the content objects associated with the interface controls to assemble a document that conforms to the document type definition type selected.

Claim 2 (previously presented): The method according to claim 1, wherein the step of selecting one of a plurality of document type definition types includes document type definition types selected from the group of document type definition types consisting of DTDs and XML Schemas.

Claim 3 (original): The method according to claim 1, wherein the step of presenting a UI includes presenting a UI selected from the group of UIs consisting of a graphical user interface (GUI) and an interactive voice response (IVR) system.

Claim 4 (original): The method according to claim 3, wherein the step of presenting a UI includes presenting a UI which is a what-you-see-is-what-you-get (WYSIWYG)

interface.

Claim 5 (original): The method according to claim 3, wherein the step of presenting a UI includes presenting a UI which is a wizard.

Claim 6 (original): The method according to claim 1, wherein the step of mapping includes interface controls selected from a group of interface controls consisting of an icon, a pull-down menu, a button, a selection box, a progress indicator, an on-off checkmark, a scroll bar, a window, a window edge for resizing the window, a toggle button, a form, and a UI widget.

Claim 7 (original): The method according to claim 1, wherein the step of parsing includes parsing one or more of a plurality of elements to determine a type and a hierarchical context and wherein the step of mapping to one or more interface controls includes mapping the type and context to one or more interface controls.

Claim 8 (original): The method according to claim 7, wherein the step of mapping further includes the sub-step of retrieving a user's profile to determine which of the one or more interface controls are mapped to each of the plurality of elements.

Claim 9 (original): The method according to claim 8, wherein the sub-step of retrieving a user's profile includes retrieving a user's profile from a group of user's profile information consisting of a national language, a user preference, an authorization and a preferred output device type.

Claim 10 (original): The method according to claim 7, wherein the step of parsing includes parsing one or more of a plurality of elements to determine a hierarchical context based on an Xpath.

Claim 11 (original): The method according to claim 8, wherein the step of parsing includes parsing one or more of a plurality of elements to determine a type selected from a group of types consisting of a single line input, a multiple line input, a choice

element, a pull-down menu, a button, a selection box, an on-off checkmark, a toggle button, and a UI widget.

Claim 12 (original): The method according to claim 11, wherein the step of parsing includes parsing at least one composite element comprising two or more types.

Claim 13 (original): The method according to claim 1, where in the step of presenting a UI editor includes assembling the one or more interface controls recursively, maintaining relational links between the one or more interface controls and each of the plurality of elements.

Claim 14 (original): The method according to claim 1, wherein the step of aggregating further includes the sub-step of:
     removing empty optional elements.

Claim 15 (original): The method according to claim 1, wherein the step of aggregating further includes the sub-step of:
     removing empty category elements.

Claim 16 (original): The method according to claim 1, wherein the step of aggregating further includes the sub-step of:
     submitting the assembled content object to be checked-in for subsequent processing.

Claim 17 (original): The method according to claim 16, wherein the sub-step of submitting the assembled content object to be checked-in for subsequent processing includes being checked-in as XML.

Claim 18 (currently amended): A method comprising steps on an information processing system to build, with a user interface (UI), and present, a document based on a document type definition, so that the presentation of the document is free from without presenting the specific syntax of the document type definition to a user, the

method comprising:

 receiving a user selection for an existing document;

 determining the document type definition of the existing document;

 retrieving a document type definition wherein the document type definition comprises a plurality of elements;

 determining the type and context information based on the document type definition selection received;

 mapping for each element in the document type definition the type and the context;

 assembling a document that conforms to the document type definition elements and any content from any preexisting document into a user interface (UI); and

 displaying the document assembled and any content in the UI <u>so that the presentation of the document is free from specific document type definition syntax.</u>

Claim 19 (original): The method according to claim 18, further comprising the steps of:

 receiving user input to modify any content displayed; and

 modifying the content based on the user input.

Claim 20 (original): The method according to claim 18, wherein the step of retrieving a document type definition includes a document type definitions type selected from the group of document type definition types consisting of a DTD and a schema.

Claim 21 (original): The method according to claim 18, wherein the step of displaying includes displaying a UI selected from the group of UIs consisting of a graphical user interface (GUI) and an interactive voice response (IVR) system.

Claim 22 (original): The method according to claim 18, wherein the interface controls are selected from a group of interface controls consisting of an icon, a pull-down menu, a button, a selection box, a progress indicator, an on-off checkmark, a scroll bar, a window, a window edge for resizing the window, a toggle button, a form, and a UI widget.

Claim 23 (currently amended): A computer readable medium containing programming instructions for assembling, with a user interface (UI), a document that conforms to a particular document type definition, the programming instruction comprising:

receiving a user selection for a document type;

selecting one of a plurality of document type definition types based upon the document type received;

parsing one or more of a plurality of elements in the document type definition types selected;

mapping to one or more interface controls each of the plurality of elements;

presenting a UI editor by assembling the one or more interface controls ~~without presenting~~ so that the presentation is free from specific document type definition syntax ~~to a user~~;

receiving a user input for ~~zero or more~~ content objects that are associated with the interface controls; and

aggregating the content objects associated with the interface controls to assemble a document that conforms to the document type definition type selected.

Claim 24 (previously presented): The computer readable medium according to claim 23, wherein the programming instruction of selecting one of a plurality of document type definition types includes document type definition types selected from the group of document type definition types consisting of DTDs and XML Schemas.

Claim 25 (original): The computer readable medium according to claim 23, wherein the programming instruction of presenting a UI includes presenting a UI selected from the group of UIs consisting of a graphical user interface (GUI) and an interactive voice response (IVR) system.

Claim 26 (original): The computer readable medium according to claim 25, wherein the programming instruction of presenting a UI includes presenting a UI which is a what-you-see-is-what-you-get (WYSIWYG) interface.

Claim 27 (original): The computer readable medium according to claim 25, wherein the

programming instruction of presenting a UI includes presenting a UI which is a wizard.

Claim 28 (original): The computer readable medium according to claim 23, wherein the programming instruction of mapping includes interface controls selected from a group of interface controls consisting of an icon, a pull-down menu, a button, a selection box, a progress indicator, an on-off checkmark, a scroll bar, a window, a window edge for resizing the window, a toggle button, a form, and a UI widget.

Claim 29 (original): The computer readable medium according to claim 23, wherein the programming instruction of parsing includes parsing one or more of a plurality of elements to determine a type and a hierarchical context and wherein the step of mapping to one or more interface controls includes mapping the type and context to one or more interface controls.

Claim 30 (original): The computer readable medium according to claim 29, wherein the programming instruction of mapping further includes the programming instruction of retrieving a user's profile to determine which of the one or more interface controls are mapped to each of the plurality of elements.

Claim 31 (original): The computer readable medium according to claim 30, wherein the programming instruction of retrieving a user's profile includes retrieving a user's profile from a group of user's profile information consisting of a national language, a user preference, an authorization and a preferred output device type.

Claim 32 (original): The computer readable medium according to claim 29, wherein the programming instruction of parsing includes parsing one or more of a plurality of elements to determine a hierarchical context based on an Xpath.

Claim 33 (original): The computer readable medium according to claim 30, wherein the programming instruction of parsing includes parsing one or more of a plurality of elements to determine a type selected from a group of types consisting of a single line input, a multiple line input, a choice element, a pull-down menu, a button, a selection

box, an on-off checkmark, a toggle button, and a UI widget.

Claim 34 (original): The computer readable medium according to claim 33, wherein the programming instruction of parsing includes parsing at least one composite element comprising two or more types.

Claim 35 (original): The computer readable medium according to claim 23, wherein the programming instruction of presenting a UI editor includes assembling the one or more interface controls recursively, maintaining relational links between the one or more interface controls and each of the plurality of elements.

Claim 36 (original): The computer readable medium according to claim 23, wherein the programming instruction of aggregating further includes the sub-step of:
 removing empty optional elements.

Claim 37 (original): The computer readable medium according to claim 29, wherein the programming instruction of aggregating further includes the sub-step of:
 removing empty category elements.

Claim 38 (original): The computer readable medium according to claim 29, wherein the programming instruction of aggregating further includes the sub-step of:
 submitting the assembled content object to be checked-in for subsequent processing.

Claim 39 (currently amended): A system for assembling, with a user interface (UI), a document that conforms to a particular document type definition, the system comprising:
 an input device for receiving a user selection for a document type;
 a file system for selecting one of a plurality of document type definition types based upon the document type received;
 a parser for parsing one or more of a plurality of elements in the document type definition types selected;

a map for mapping to one or more interface controls each of the plurality of elements;

a UI editor presented on an output device by assembling the one or more interface controls ~~without presenting~~ so that the presentation is free from specific document type definition syntax ~~to a user~~;

means for receiving user input for ~~zero or more~~ content objects that are associated with the interface controls; and

an assembler for aggregating the content objects associated with the interface controls to assemble a document that conforms to the document type definition type selected.